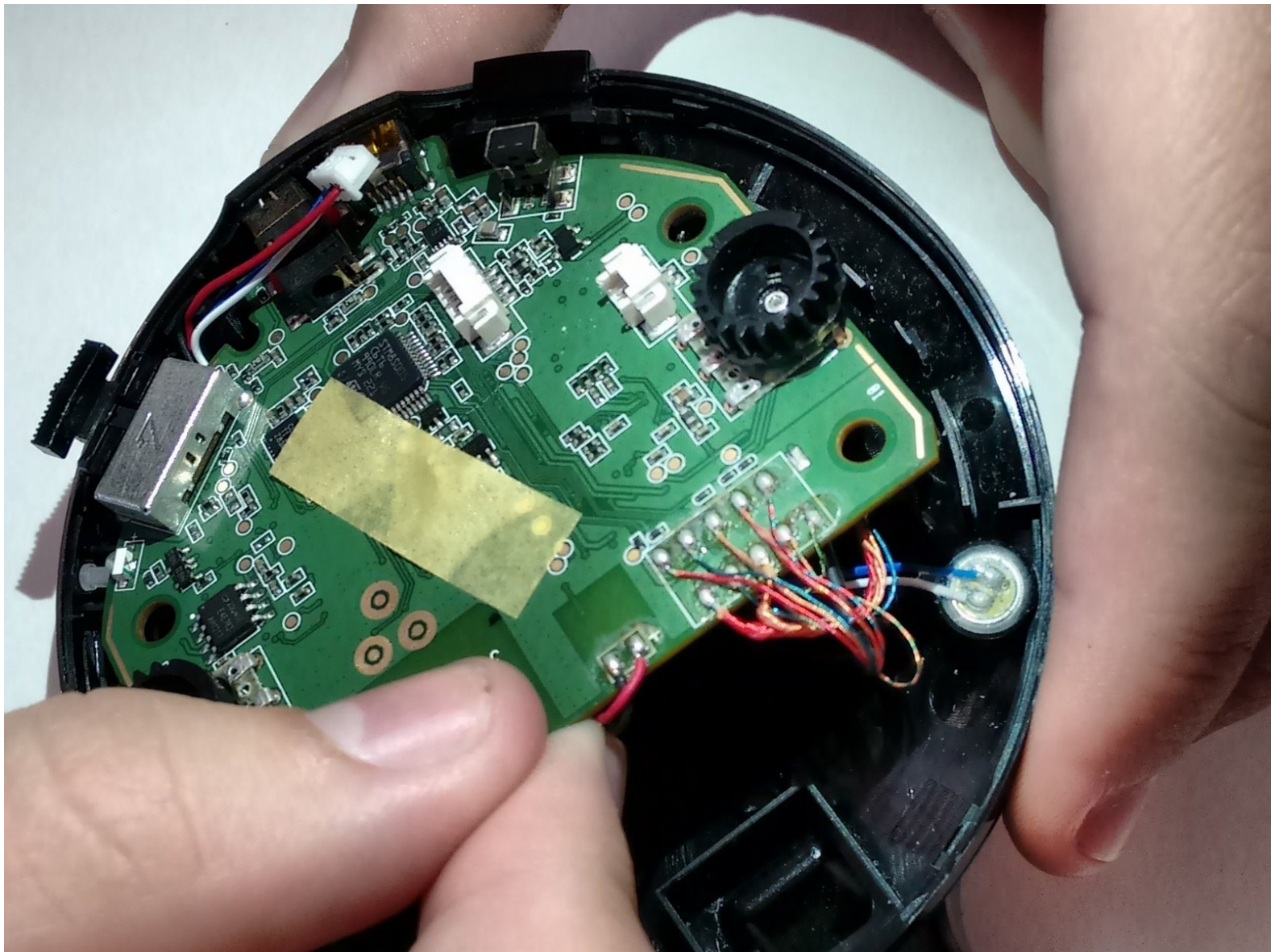




Sony Pulse Elite Edition Motherboard Replacement

This guide describes how to replace the motherboard in the Sony Pulse Elite Edition.

Written By: Chris Echter

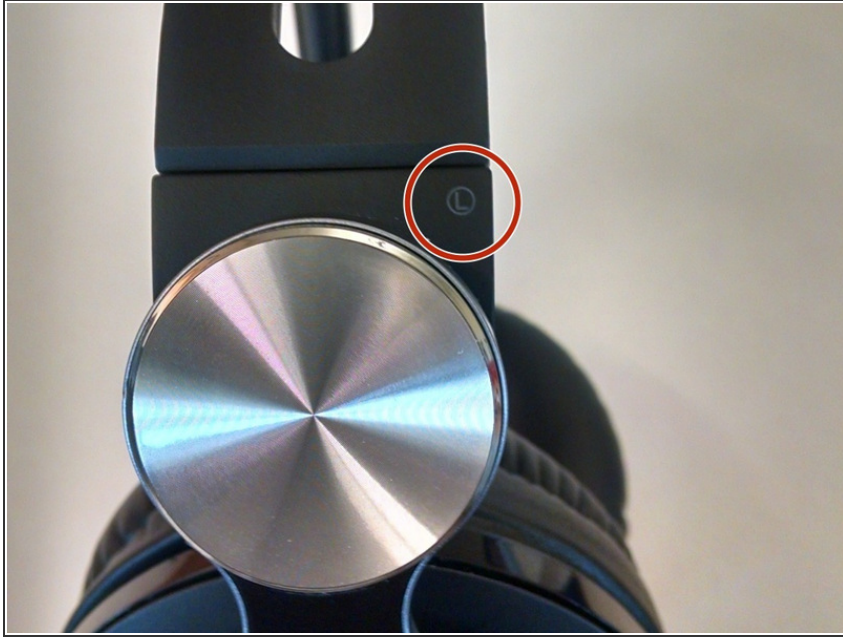




TOOLS:

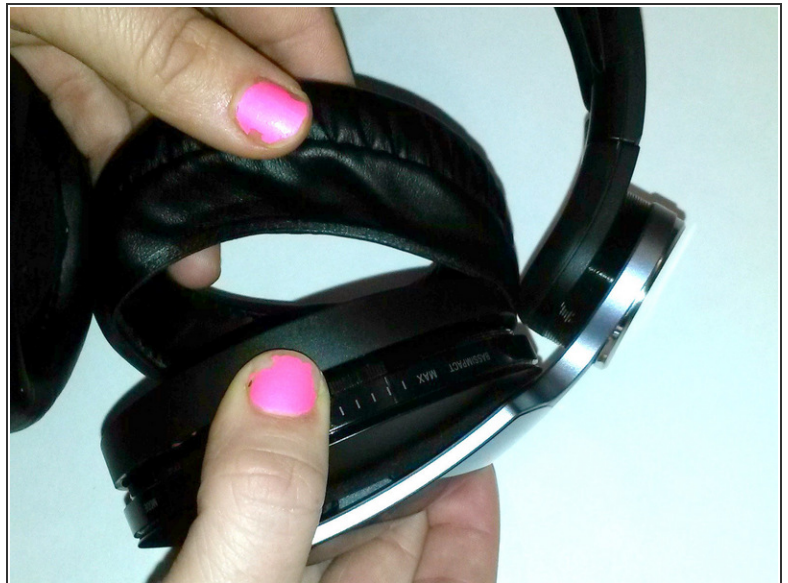
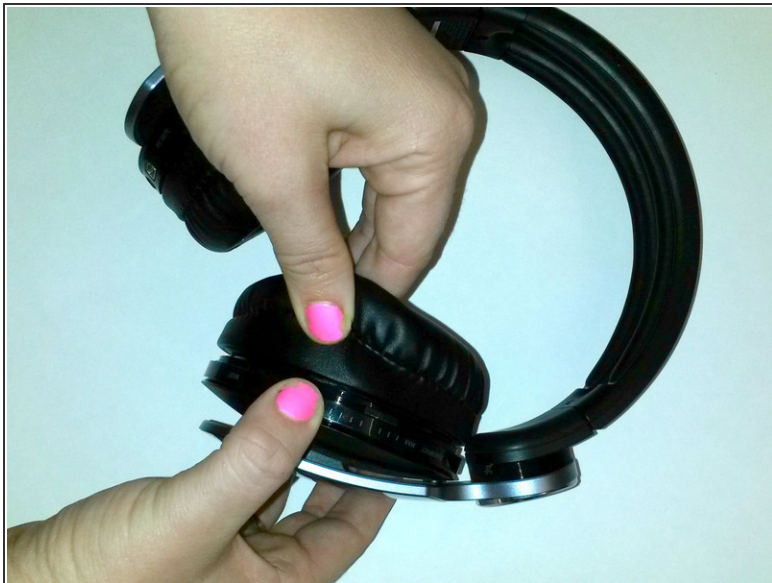
- [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [Soldering Station](#) (1)
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Step 1 — Identifying Earpiece



- Locate the side designation on the headband-earpiece junction.
- The battery is in the right earpiece.
- The motherboard is in the left earpiece.

Step 2 — Ear Cushion Removal



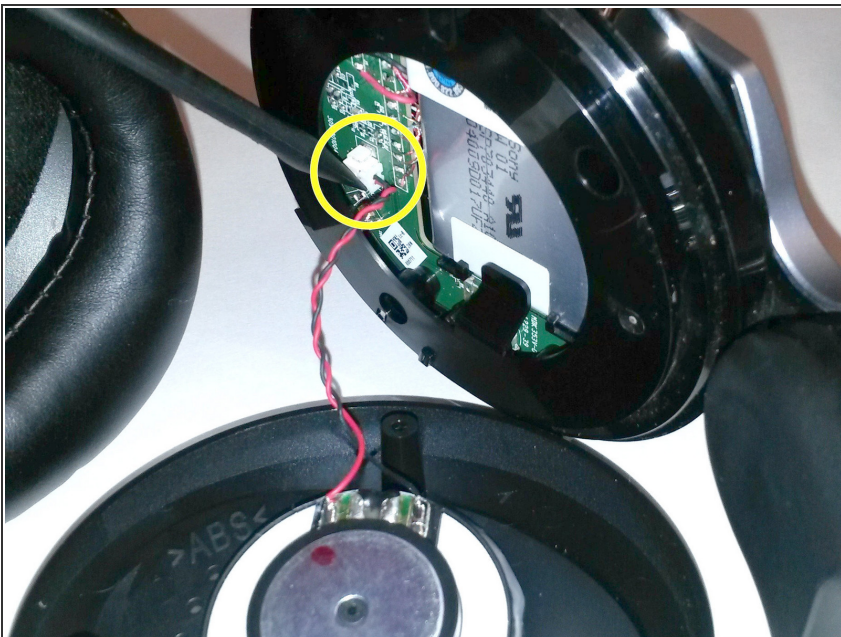
- Gently pull around the perimeter of the ear cushion until it comes off.

Step 3 — Outer Ear Rim Removal



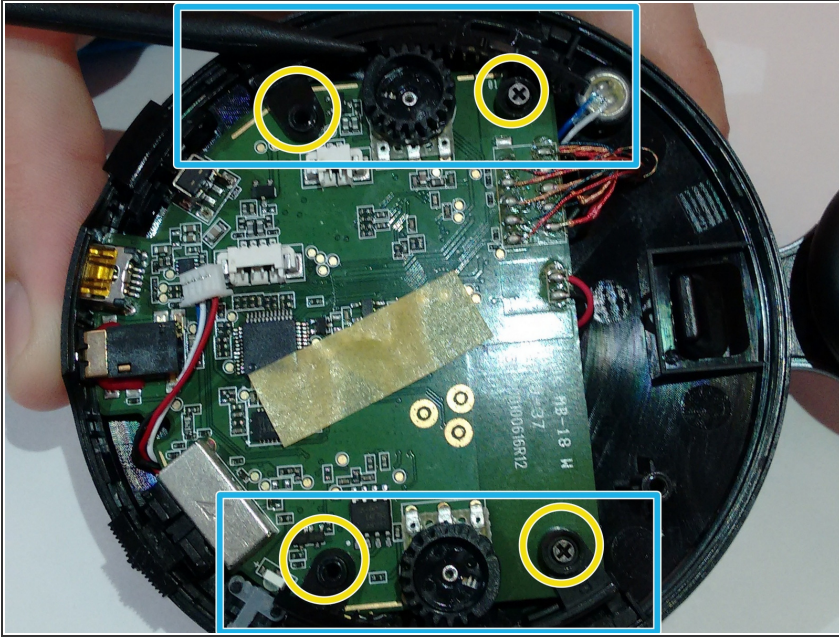
- Use the PH00 Screwdriver to remove the three Phillips 6mm screws around the perimeter of the ear cup.
 - Gently pull the outer ear rim off of the headset assembly.
- ⚠ Harsh removal may cause permanent damage to the speaker wires.

Step 4 — Remove Speaker Housing



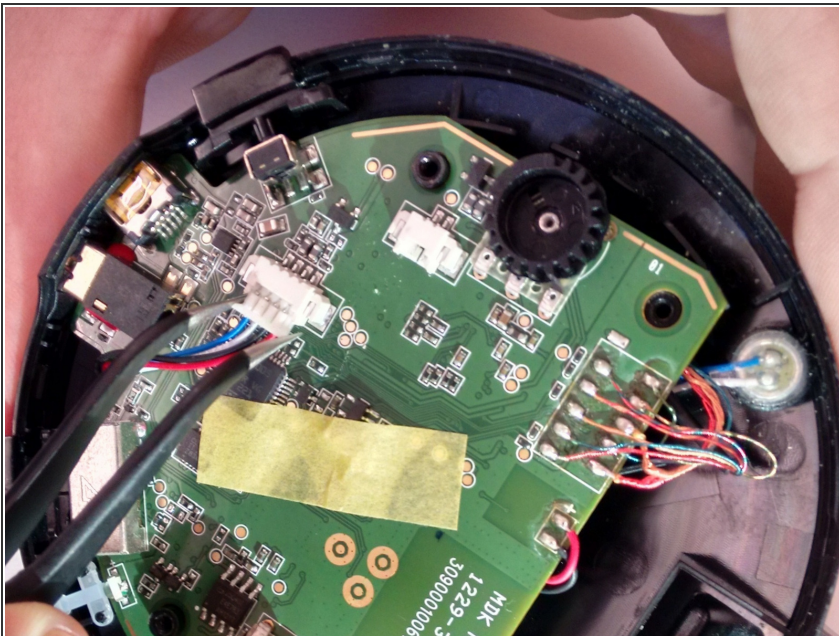
- Using tweezers, gently pry the red and black speaker wires from the attached socket.

Step 5 — Unscrew Motherboard Brackets



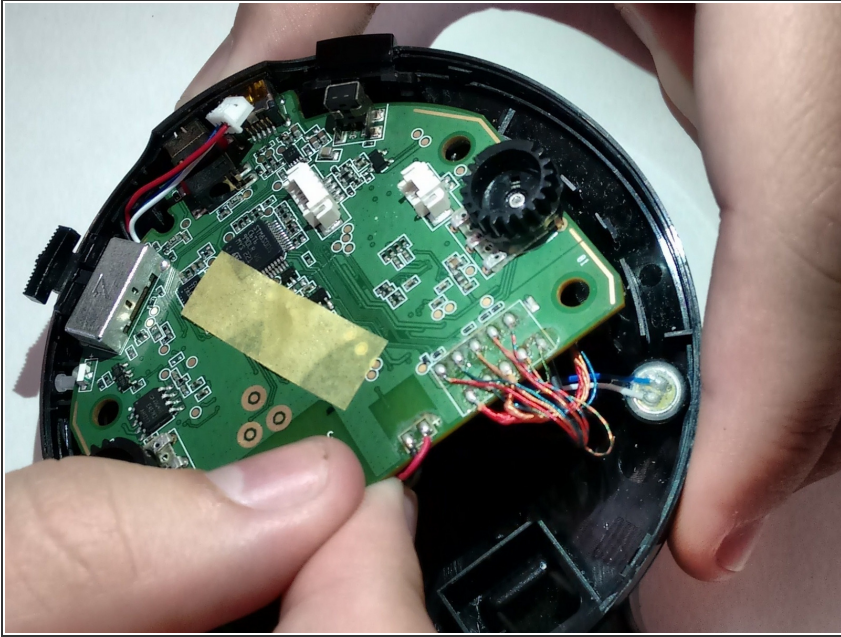
- Using the Phillips #00 screwdriver, remove the four Phillips 5 mm screws from the two motherboard brackets.
- Keep the two brackets and screws in a safe place.

Step 6 — Remove the Wires



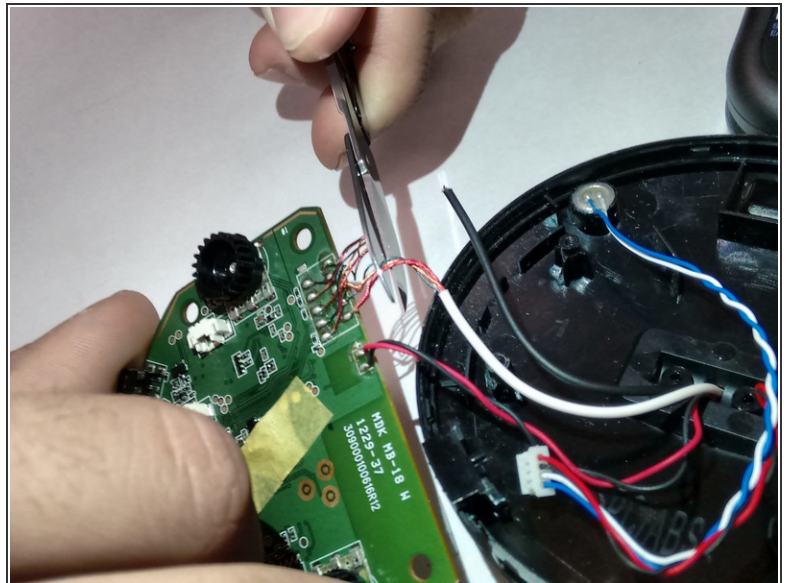
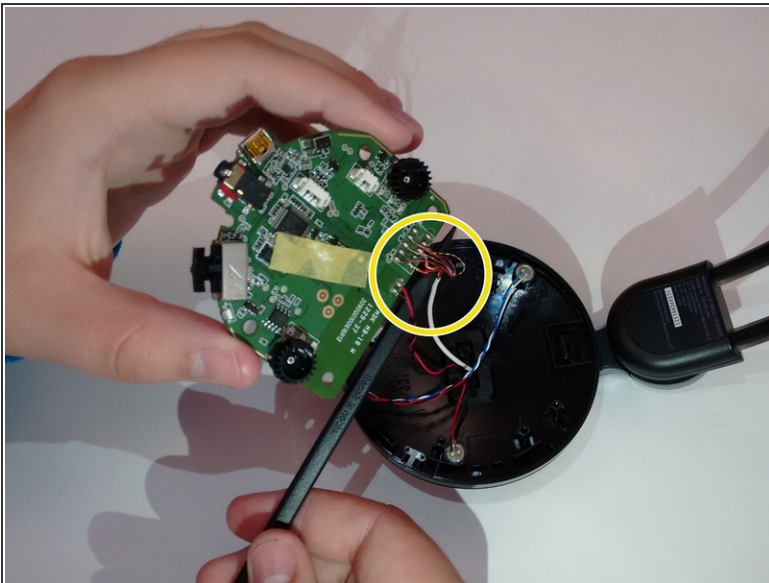
- Using tweezers, unclip the blue, white, and red wire harness from the motherboard. This harness is for the microphone.
 - Using the tweezers, unclip the red and black wire harness from the motherboard. This harness is for the speakers.
- ⚠ Make sure all wire harnesses are completely unclipped prior to motherboard removal. Failure to unclip completely risks permanent damage to the headset.

Step 7 — Initial Motherboard Removal



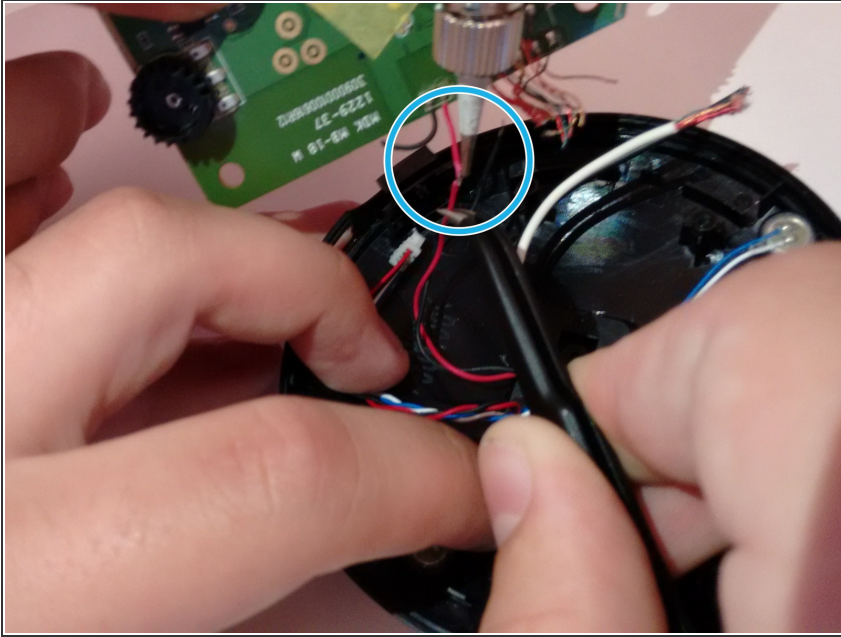
- Using a finger, gently tug up on the motherboard.
- ⚠ Make sure to only lift the motherboard up gently as there are still wires connecting the motherboard to the ear piece.
- ⓘ Try and lift the motherboard up straight, as it will catch on the screw mounts otherwise.

Step 8 — Fixed Wire Removal



- Using wire cutters, cut all of the permanent wires from the motherboard.
- Strip the wires on the ear piece portion about a quarter of an inch from their cut ends.
- ⓘ These will need need to be soldered to the new motherboard, so it will be easiest to cut the wires, 1/2" away from the motherboard.

Step 9 — Solder New Motherboard



- Strip the wires on the ends of the new motherboard wires about a half inch from the end.
- Solder each individual wire from the new motherboard to the corresponding wire on the ear piece.
- Completely wrap each solder joint with electrical tape so that the exposed wires only contact their corresponding wires.

⚠ Unintentional contact of non-corresponding wires can result in electrical fire and the failure of the device.

To reassemble your device, follow these instructions in reverse order.

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